ISSN (print) 0093-4666 © 2011. Mycotaxon, Ltd. ISSN (online) 2154-8889

MYCOTAXON

Volume 115, pp. 505–506 *January–March 2011*

DOI: 10.5248/115.505

Pucciniastrum enkianthi nom. nov., a replacement name for *P. hakkodaense*

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Abstract — *Pucciniastrum hakkodaense* (a rust pathogen of *Enkianthus*) is an illegitimate later homonym of *P. hakkodense* (a rust pathogen of *Leucothoe*). Hence, the replacement name *Pucciniastrum enkianthi* is proposed.

Key words —*Naohidemyces*, nomen novum, nomenclature, *Thekopsora*

Pucciniastrum enkianthi Y.M. Liang & Kakish., **nom. nov.**

MycoBank MB519279

≡ *Pucciniastrum hakkodaense* Y.M. Liang & Kakish., Mycotaxon 92: 372. 2005, nom. illegit. (non *P. hakkodense* (S. Ito & Hirats. f.) Jørst. 1958).

Etymology: referring to the host genus *Enkianthus.*

Pucciniastrum hakkodaense Y.M. Liang & Kakish. was described as a new species based on specimens on *Enkianthus campanulatus* (Miq.) G. Nicholson (*Ericaceae*) collected in Japan (Liang et al. 2005). However, following ICBN Art. 53.3 (McNeill et al. 2006), this name must be regarded as an illegitimate later homonym of *Pucciniastrum hakkodense* (S. Ito & Hirats. f.) Jørst. 1958 (≡ *Thekopsora hakkodensis* S. Ito & Hirats. f. 1927).

Thekopsora hakkodensis was described based on a specimen on *Leucothoe grayana* Maxim. (*Ericaceae*) from Japan (Hiratsuka 1927, 1936). Although Jørstad (1958) transferred the name to *Pucciniastrum*, Hiratsuka (1958) and Hiratsuka et al. (1992) continued to treat this species under its original name, *T. hakkodensis.* Subsequently, Sato et al. (1993) established a new genus *Naohidemyces* and treated *T. hakkodensis* as a synonym of the type species, "*Naohidemyces vaccinii*" S. Sato et al. (an invalidly published combination

based on the illegitimate teleomorph name *Melampsora vaccinii* G. Winter 1881, non (Alb. & Schwein.) G. Winter 1880). The correct name for this taxon is *Naohidemyces vacciniorum* (J. Schröt.) Spooner (Spooner & Butterfill 1999) based on the earliest legitimate teleomorph name, *Melampsora vacciniorum* J. Schröt. 1887.

Pucciniastrum enkianthi (≡ *P. hakkodaense*) is morphologically quite different from *Naohidemyces vacciniorum* (= *P. hakkodense*, *T. hakkodensis*). *Pucciniastrum enkianthi* produces its telia underneath the epidermis of the host whereas *N. vacciniorum* produces teliospores within epidermal cells of the host. In addition, their uredinial/telial hosts are not closely related though they are in the same family, *Ericaceae*: *P. enkianthi* on *Enkianthus*; and *N. vacciniorum* on *Hugeria*, *Leucothoe*, *Oxycoccus,* and *Vaccinium* (Sato et al. 1993, Liang et al. 2005).

Acknowledgements

We gratefully acknowledge Dr Shaun Pennycook (Landcare Research, Auckland, New Zealand), Dr Paul M. Kirk (CABI-UK, Egham, UK), and Dr. C. M. Denchev (Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, Bulgaria) for their kind suggestions and critically reading the manuscript.

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